SEQUENCE LISTING

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<120> Methods and means for regulating gene expression

<130> P63590US00

<140> US 10/562,601
<141> 2005-12-28

<150> PCT/NL2004/000474
<151> 2004-07-02

<150> EP 03077074.7
<151> 2003-07-02

<160> 234

<170> PatentIn Ver. 3.3

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<222> (4)..(4)
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<222> (7)..(7)

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Gly Gly Glu Arg Leu Gly Thr Leu
1 5

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Asn Arg Glu Arg Leu Gly Thr Leu
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<210> 153
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<220>
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<220>
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<210> 192
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<220>
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<220>
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<400> 203
attttcaaaa aattg 15

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<220>
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<400> 213
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tttatttcgc gtaatgttca gaaaattcat gaacatacct aaaatagtaa atttttgcaa 180
atatgcagaa aaagtagtat acttttatta agtctattta gaaagatttt attgaggtaa 240
atatggaaag tgaaaatatt ttggaagcaa aacaagtgag tgttgctt 288

<210> 215
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<212> PRT
<213> Lactobacillus lactis

<400> 215
Met Glu Ser Glu Asn Ile Leu Glu Ala Lys Gln Val Ser Val Ala
1 5 10 15

<210> 216
<211> 26
<212> DNA
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<220>
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<400> 216
aatgttcaga aaattcatga acatac 26

<210> 217
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<220>
<223> Opp15 (a)

<400> 217
aatattaaga aaattcatga acatac 26

<210> 218
<211> 26
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<213> Artificial Sequence

<220>
<223> Opp15 (b)

<400> 218
actgtgccga aaattcatga acatac 26

<210> 219
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<220>
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<400> 219
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<210> 220
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<220>
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cgtaatgttc agaaaattca tgaacatacc 30

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<220>
<223> MUT2, mutant in *oppD* upstream region

<400> 221
cgtaatgttc tgaaaattca tgaacatacc 30

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<220>
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cgtaatgttc agaaaattca tggacatacc 30

<210> 223
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<210> 224
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<220>
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<220>
<223> MUT10, mutant in *oppD* upstream region

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<220>
<223> MUT16, mutant in *oppD* upstream region

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cgtaatgttc ggaaaattca tgaacacacc 30

<210> 227
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<220>
<223> motif as observed in L. lactis

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anaattttct ganaaatnna tnanta 26

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<220>
<223> consensus motif as observed in L. lactis

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<400> 228
whaattdtcw gahaawtnnr wnadww 26

<210> 229
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<400> 229
awttdtcaga awwwt 15

<210> 230
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> motif as observed in B. subtilis

<220>
<221> misc_feature
<222> (1)..(14)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 230
attntcagaa aatt 14

<210> 231
<211> 225

<212> DNA
<213> Lactococcus lactis Wg2

<220>
<221> promoter
<222> (1)..(225)
<223> /note="prtP/prtM promoter region"

<400> 231
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttgt tcttcaatag 120
tatataatat aatagtatat aatattatat aatataatct taactacatc aagcgtaggg 180
tttgatttgg ttatgaaact tttggaaagt ggaggatatt ggatg 225

<210> 232
<211> 230
<212> DNA
<213> Lactococcus lactis SK11

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 232
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttgt tcttcaatag 120
tatataatat aatagtatat aatattatat tatataatat aatcttaact acatcaagcg 180
taggctttga tttggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 233
<211> 230
<212> DNA
<213> Lactococcus lactis E8

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 233
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atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaatttat tcttcaatag 120
tatataatat aatattatat aatattatat tatataatat aatcttaact acatcaagcg 180
tagggtttga tttggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 234
<211> 230
<212> DNA
<213> Lactococcus lactis BGMN1-5

<220>
<221> promoter

<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 234
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaattttag ttgaatttgt tctttaatag 120
tatataatat aatagtatat actattatat tatatactat tatattaact acatcaagcg 180
tacattttga tttggttatg aaacttttgg aaagtggagg gtattggatg 230